

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 2520803 A4 20151223 (EN)

Application
EP 10840725 A 20101112

Priority
• JP 2009299090 A 20091229
• JP 2010006671 W 20101112

Abstract (en)
[origin: EP2520803A1] To provide a compressor equipped with a centrifugal separation type oil separator capable of preventing an increase in the number of components with the installation of the oil separator. A compressor includes a movable member (2) which is movable with a rotation of a shaft (1) and a fixed member (4) which constitutes a compression chamber (3) along with the movable member, in which a working fluid is compressed in the compression chamber (3) with the movement of the movable member (2), and the fixed member (4) is integrated with an oil separator (14) which introduces the working fluid compressed in the compression chamber thereinto and separates oil contained in the working fluid. In the vane-type compressor, the fixed member (4) includes a cylinder (4a) accommodating the movable member (2) and a rear-side block (4b) integrated with the cylinder (4a), and the oil separator (14) is integrated with the rear-side block (4b). An oil separation chamber (22) of the oil separator (14) is covered by a cylindrical portion (5b) of a shell member (5) constituting a housing.

IPC 8 full level
F04C 29/02 (2006.01); **F01C 21/10** (2006.01); **F04B 39/04** (2006.01); **F04C 18/344** (2006.01); **F04C 29/12** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)
F01C 21/10 (2013.01); **F04B 39/04** (2013.01); **F04C 18/3441** (2013.01); **F04C 29/026** (2013.01); **F04C 29/12** (2013.01); **F04C 29/0064** (2013.01); **F04C 2230/20** (2013.01)

Citation (search report)
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• [A] US 2002127121 A1 20020912 - MATSUURA TOSHINARI [JP], et al
• See references of WO 2011080865A1

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2520803 A1 20121107; EP 2520803 A4 20151223; EP 2520803 B1 20181017; BR 112012016141 A2 20160531;
CN 102667165 A 20120912; CN 102667165 B 20150211; JP 2015028343 A 20150212; JP 5707336 B2 20150430; JP 5833724 B2 20151216;
JP WO2011080865 A1 20130509; WO 2011080865 A1 20110707

DOCDB simple family (application)
EP 10840725 A 20101112; BR 112012016141 A 20101112; CN 201080058948 A 20101112; JP 2010006671 W 20101112;
JP 2011547254 A 20101112; JP 2014198336 A 20140929